Abstract

The invention relates to nozzles for plasma torches, which are essentially formed from a metal or a metal alloy.

Particularly during the operation of such plasma torches for cutting processes using oxygen, an increase in wear occurs on the nozzles, which have to be exchanged with corresponding frequency. It is, therefore, the object of the invention to increase the life of such nozzles. According to the invention, this object is achieved in that wear-resistant microparticles of a hard material, preferably a hard ceramic material, are embedded in the metal or the metal alloy, at least in certain regions. The nozzles can be advantageously manufactured by extrusion.